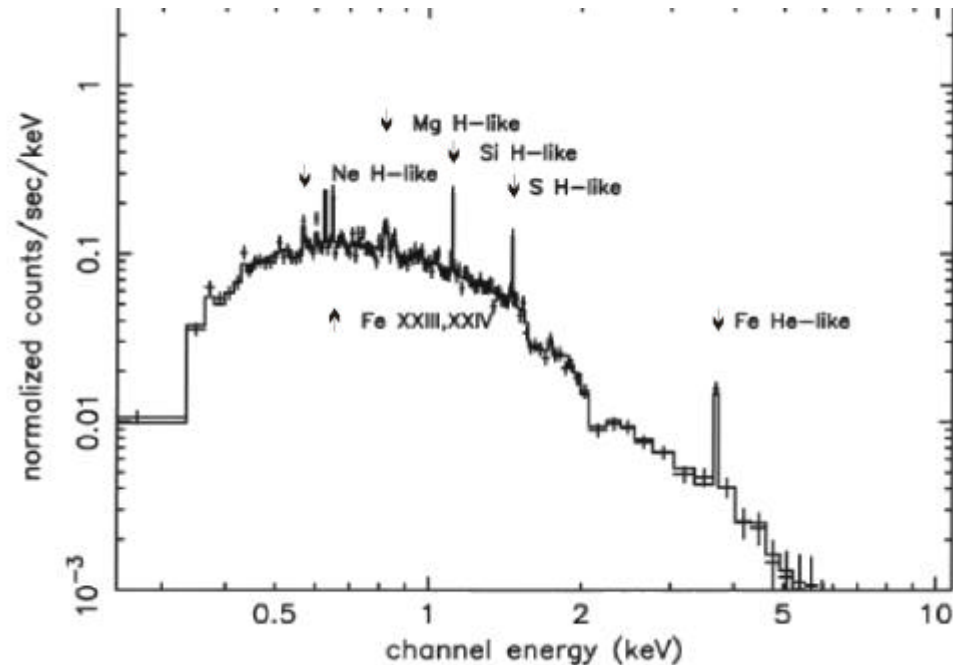
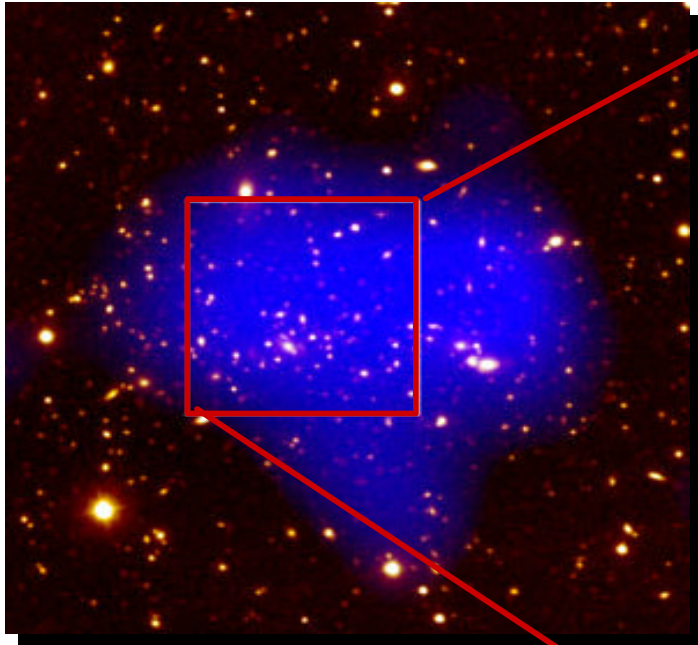


Constellation-X Observations of High z Clusters

A simulated 50,000 s Constellation-X exposure of a cluster at $z=0.8$:



- Abundances are determined to 10% accuracy for Si, S, and Fe and 20% for Ne and Mg
- The Sunyaev-Zeldovich Effect provides distances independent of cosmic distance ladder
 - Constellation-X will provide necessary temperatures to combine with Chandra and CMB measurements
 - Constraints on “ Λ ”